

# **2007 National Influenza Vaccine Summit**

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# **National Influenza Vaccine Summit**

## **April 19-20, 2007**

**Co-sponsored by the American Medical Association and the CDC since 2001**

- **Forum to discuss influenza vaccine issues with broad stakeholder base**
- **2007 Participation**
  - **190 attendees representing 74 organizations**



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# **Projected Production of Influenza Vaccine for 2007-08, US**

<b>Manufacturer</b>	<b>Doses Projected*</b>
<b>GSK</b>	<b>30-35 million</b>
<b>MedImmune</b>	<b>7 million</b>
<b>Novartis</b>	<b>Up to 40 million</b>
<b>sanofi pasteur</b>	<b>50 million</b>
<b>CSL</b>	<b>No estimate provided</b>
<b>Total</b>	<b>Up to 127-132 million</b>

\*These estimates are based on presentation made at the National Influenza Vaccine Summit Meeting, Atlanta, GA, April 19, 2007 by the manufacturers listed and reflect upper estimates of production contingent upon consumer demand.



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# **Initiatives to Increase Public Awareness and Vaccine Uptake**

- **NFID's Pediatric Influenza Immunization Coalition**
- **ALA**
  - **Faces of Flu**
  - **Flu Clinic Locator**



# ACIP Recommendations

- **Key Issues**
  - Vaccine composition
  - 6 mo - <9 yrs (# of doses in 1<sup>st</sup> and 2<sup>nd</sup> years)
  - Recommended groups
  - Remaining age groups
  - Potential time frame for modifying influenza vaccine recommendations
  - Considerations for expanding recommendations
  - Future challenges as recommendations expanded



## 2007 Recommendations

- **Vaccination is recommended for persons, including school-age children, who want to reduce the likelihood of becoming ill with influenza or transmitting influenza to others should they become infected.**



# Supply and Distribution

- Rationale for past seasons' shortages
- Supply challenges
- Providers misperceptions regarding prioritization of vaccine delivery
- Secure Data Network
  - Private providers received proportionately equitable supplies throughout the 2006-07 season



# Influenza Vaccine Legislation

- **State**
  - Long Term Care
  - Thimerosal
  - Priority Groups
  - Priority of Providers
  - Pandemic/Bioterrorism
  - Hospitals
  - Distribution
  - Child Care Requirements
  - Teacher Vaccination
  - Health Insurance Requirements
  - School Based Pilot
  - Flu Shots for Kids Month
  - Bulk Purchase
- **Federal**
  - Distribution/Priority Groups
  - Biodefense/Pandemic
  - Appropriations
  - Thimerosal





# **Legislative Initiative Discussion**

- **May present barriers to achieving higher coverage (e.g., thimerosal)**
- **May complicate equitable distribution (e.g., prioritization of certain provider groups)**
- **Need to educate lawmakers and community leaders**



# **Increasing Demand for Vaccination Through Partnerships**

- **2006 Summit Immunization Excellence Awards**
  - **Extending the Season**
    - Community vaccinator partnership - Get A Flu Shot.com
  - **Health care workers**
    - Virginia Mason Medical Center
  - **Seasonal Activities**
    - School-based partnership - Maryland Elementary School Influenza Vaccination Project



# **Increasing Vaccination Coverage through Other Activities**

- **Vaccine Coverage Assessment**
- **Length of season**
  - **National Influenza Vaccination Week**
- **Messaging**
  - **More timely and consistent messages**



## Summit Discussion Items

- **Better balance supply and demand**
  - Understand and track discarded doses
  - Possibilities for re-distribution of doses
- **“Ideal” setting for vaccination**
  - Medical home, many settings
- **Technologies and processes to expedite vaccine approval, testing, delivery**



# **2007 Influenza Vaccine Summit Action Items**

- **Improve coverage of Health Care Workers**
- **Encourage an informal legislative task force**
  - **Not an official Summit activity**
  - **Educational in intent**
- **Develop a simple, consistent statement on when and who to vaccinate**



# Summit Statement

- The National Influenza Vaccine Summit encourages that every year influenza vaccine be administered to all people, including school-aged children, who want to reduce their likelihood of becoming ill with influenza or transmitting influenza to others, as soon as the year's vaccine becomes available. Influenza immunization should continue throughout the influenza season through the winter months and beyond, as long as vaccine is available.



# Acknowledgements

- Beverly Hagar
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# Extra Slides



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# **Influenza Vaccine Distribution Data and Use of Data During the 2006-2007 Season**

- **Purpose**
  - Provide information to enhance visibility of influenza vaccine distribution for state and local health officials to assist in their management of influenza vaccine availability issues and challenges
- **Data were mapped to the following variables**
  - State where flu vaccines are distributed
  - Zip code where flu vaccines are distributed
  - National Drug Code (NDC) of vaccine distributed
  - Number of doses distributed
  - Type of provider where vaccines are distributed



# Participants

- ASD Healthcare
- Cura Script
- FFF Enterprises
- Henry Schein/GIV
- McKesson
- Physician Sales and Service (PSS)
- Seacoast Medical
- GSK
- MedImmune
- Novartis
- Sanofi pasteur



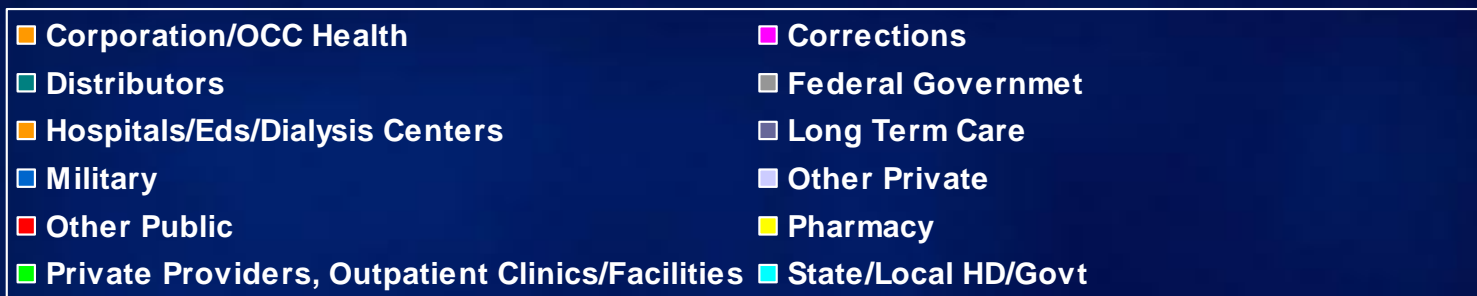
# Provider Types

Values for the facility type variables from each participant were recoded into one of the following categories:

- Corporation/Occupational Health
- Corrections
- Distributors
- Federal Government
- Hospitals/EDs/Dialysis Centers
- Long Term Care
- Military
- Other Private
- Other Public
- Pharmacy
- Private Providers
- State/Local Health



# Influenza Vaccine Distribution by Provider Type



Provider Type Category

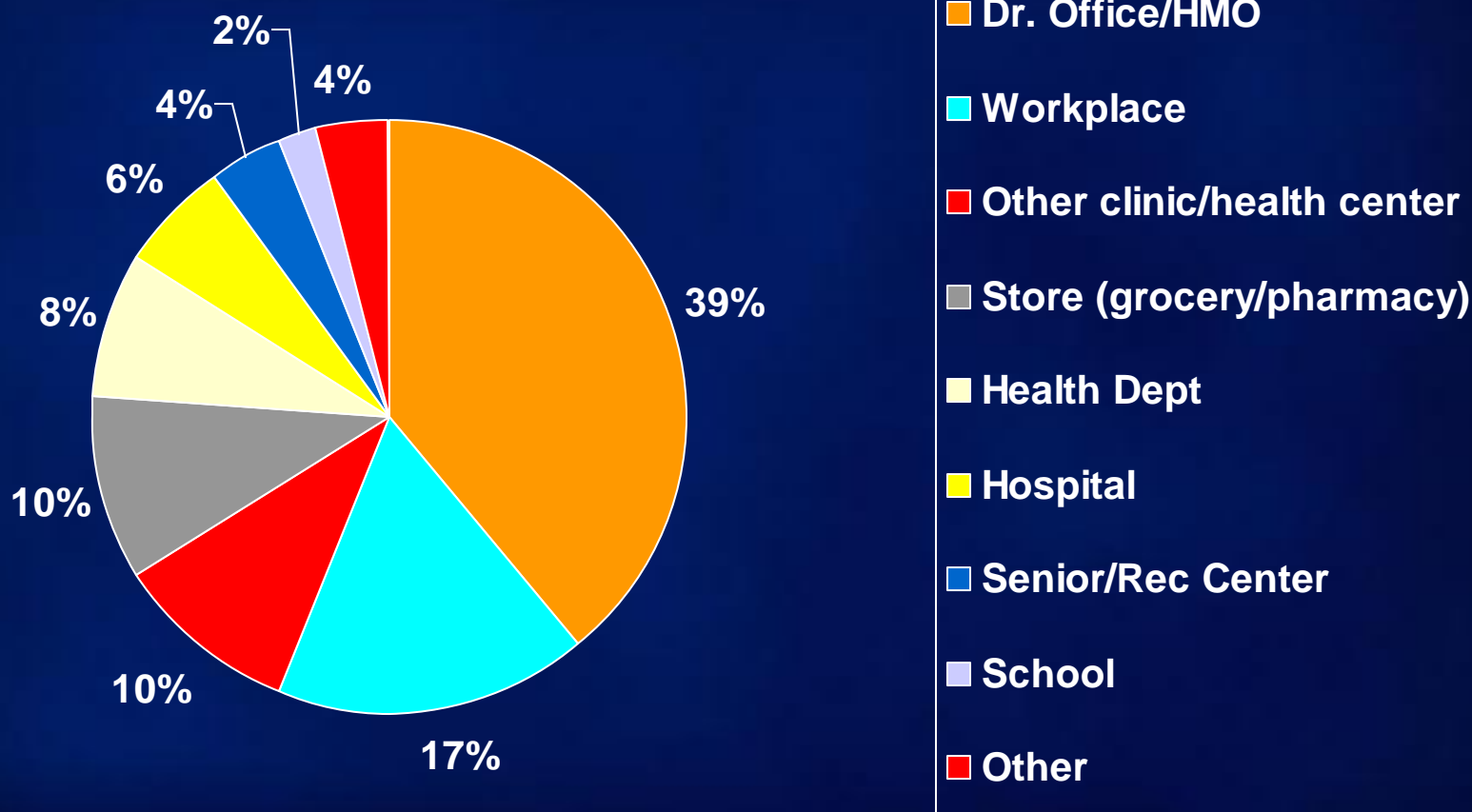


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# Where do Adults Receive Influenza Vaccination?



Source: Unpublished data from a Gallup telephone survey conducted on behalf of CDC in 2005.



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Provider type	29-Sep-06	20-Oct	10-Nov	1-Dec	22-Dec	12-Jan-07
<b>Federal Govt</b>	<b>1.1%</b>	<b>3.9%</b>	<b>3.3%</b>	<b>5.1%</b>	<b>5.0%</b>	<b>5.1%</b>
<b>Military</b>	<b>0.6%</b>	<b>1.9%</b>	<b>0.8%</b>	<b>2.2%</b>	<b>2.2%</b>	<b>2.2%</b>
<b>State/Local Health</b>	<b>6.6%</b>	<b>7.2%</b>	<b>10.1%</b>	<b>11.9%</b>	<b>11.6%</b>	<b>11.6%</b>
<b>Corporation/Occ Health</b>	<b>2.2%</b>	<b>2.5%</b>	<b>2.6%</b>	<b>2.5%</b>	<b>2.5%</b>	<b>2.5%</b>
<b>Corrections</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Hosp/Eds/Dialysis</b>	<b>9.2%</b>	<b>12.9%</b>	<b>10.4%</b>	<b>9.8%</b>	<b>9.9%</b>	<b>9.9%</b>
<b>Other Private</b>	<b>3.4%</b>	<b>2.9%</b>	<b>2.7%</b>	<b>2.6%</b>	<b>2.8%</b>	<b>2.9%</b>
<b>Other Public</b>	<b>1.3%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.4%</b>	<b>1.4%</b>
<b>Priv Prov/Clinics</b>	<b>41.0%</b>	<b>43.2%</b>	<b>43.1%</b>	<b>42.1%</b>	<b>42.3%</b>	<b>42.3%</b>
<b>Distributors</b>	<b>24.9%</b>	<b>16.2%</b>	<b>18.3%</b>	<b>16.0%</b>	<b>15.7%</b>	<b>15.6%</b>
<b>Long Term Care</b>	<b>4.7%</b>	<b>4.0%</b>	<b>3.7%</b>	<b>3.2%</b>	<b>3.1%</b>	<b>3.1%</b>
<b>Pharmacy</b>	<b>5.0%</b>	<b>5.1%</b>	<b>3.8%</b>	<b>3.5%</b>	<b>3.5%</b>	<b>3.5%</b>



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# **VMMC**

## **Mandatory Vaccination Campaign Accomplishments**

**For the past 2 years VMMC has  
achieved a 98% vaccination  
compliance rate**

**VMMC was the first vertically  
integrated healthcare delivery  
system in the U.S. to accomplish this**



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# Maryland Elementary School Influenza Vaccination Project

- **Calvert Model**

- Vaccinated at school site
- Non-school hours
- Parents bring students & consent
- Similar to mass flu clinic
- No loss of class time
- Issues
  - Staffing
  - Wait time

- **Carroll Model**

- Vaccinated during school in small groups
- Parents sign consent in advance
- Limited staffing needed
- Loss of 20 min. of class time
- Issues
  - Consent form distribution, tracking, verification





# **Maryland Elementary School Influenza Vaccination Project Results**

- Distributed more than 114,000 influenza doses
- Influenza clinics held at 600 schools statewide
- Flu vaccine provided to more than 100 private providers to give at no cost to 5-11 yr. olds
- Some counties vaccinated more than 40% of 5-11 year olds in the school setting

